

CoilWall Series

Chilled Water CoilWall

CHILLED WATER COILWALL

Nortek Data Center Cooling Expertise.

Nortek Data Center Cooling is focused on serving the data center market with innovative future-proof technology, dependable performance, adaptive solutions to difficult issues and industry-leading sustainability. Our optimized solutions maximize cooling, minimize downtime and reduce both power and water consumption.

COMPUTER ROOM AIR HANDLER




High Efficiency Cooling for High Density Loads

Nortek DCC's CoilWall system is an optimized modular air-cooling system that is designed to maximize the efficiency of the total system by minimizing the approach temperature, required fan power and required pump power to effectively cool the data hall.

This system is designed to be installed as stand-alone units for cold aisle/hot aisle containment or connected modularly into a wall for flooded hall which maximizes the heat transfer surface area in the data hall, reducing the approach temperature as much as possible


With 3 distinctive design options available, Nortek has a CoilWall product designed to reliably meet the unique requirements of each DataCenter.

OPERATIONAL BENEFITS

-  Flexibility to design a system with the lowest possible footprint
-  Close match of operating capacity requirements to avoid inefficiencies and added electrical demands of oversized equipment
-  Robust equipment with low maintenance requirements and easy access to components to avoid downtime



PRECISE TEMPERATURE CONTROLLER

-  Fitted with a customized industrial DDC controller complete with display/user interface
-  Activates cooling to provide precise and efficient cooling of the supply air
-  Constant monitoring of built-in safety devices of the unit for healthy state of key components (locally or remotely)

SHORTENED OPTION LIST

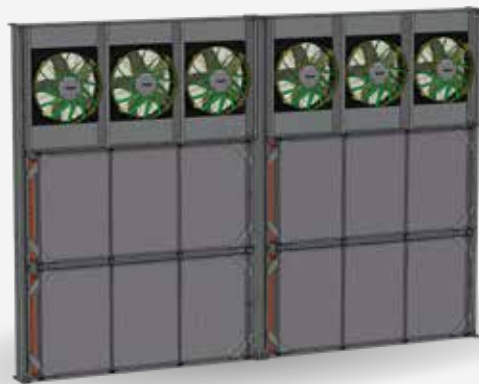
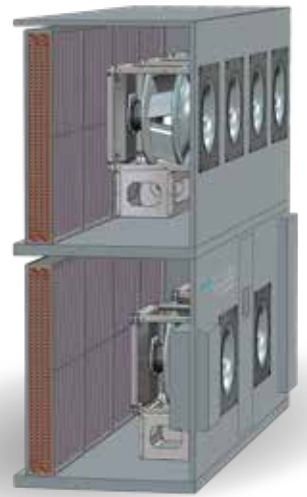
-  – Wide variety of sensors
- Dual power service
- Automatic transfer switch
- Stainless steel coil casing
- Anti vibration structure
- Factory Installed controller options
- BACNet & ModBus supported
- High efficiency MERV filters
- Customizable coil design





COILWALL ARRAY (CWA)

Designed to maximize capacity, the CoilWall Array (CWA) is a modular solution that allows for flexible design. An array of Plenum Fans with Efficient Direct Direct EC Motors allows designers to draw air from the mechanical space or return air duct, while providing necessary airflow at higher static pressure conditions. The CWA can be stationed side-by-side, placed standalone in the data hall, or can be placed in a separate mechanical room if required.



COILWALL BASE (CWB)

Nortek's most efficient solution for Data Hall design, the CoilWall Base (CWB) modules can be installed side-by-side to create an enclosed aisle separating the data hall and the maintenance aisle. The height and width of the combined modules will seal from floor to ceiling, maximizing the potential of an otherwise underutilized empty space. Highly efficient EC Motor Fans deliver hot air from the upper deck to the maintenance aisle. The maintenance hall is pressurized so that airflow is delivered through cooling coils sized for optimal fan efficiency and thermal exchange.

COILWALL CASED (CWC)

The CoilWall Cased (CWC) offers the widest spread of features and customization while receiving the benefits of a catalog product. The CWC can fit into the maintenance aisle of the data hall while being ducted directly into the upper deck, it can also fit into a separate mechanical room with ducted supply & return. Please contact your Nortek DCC Sales person to find a solution that fits your needs.





BUILT BY NORTEK DATA CENTER COOLING

You're creating the next big thing in your field. We're building the latest innovation in ours.

Nortek builds data center cooling solutions for companies moving the world forward. Our end-to-end systems keep up with the biggest names in technology, and reduce water and power usage.

Our world-class team of engineers and designers develop technology that is effective, sustainable, efficient and adaptive to many challenging cooling environments. Nortek's innovations and patented technology can be found in some of the most prestigious data center storage facilities on the planet.

Together, we can create data center cooling solutions that save energy and empower change. Cooling the cloud. Protecting the planet.

Visit nortekdatacenter.com to become a partner.